Daily Log #10

Date: 13 February 2002, Lesson length: 45 minutes

What did you expect students to learn during the lesson? There was not much time to learn today, but I wanted students to reflect on their learning by taking the Worm Quiz. They also had an opportunity to reflect on their learning by writing persuasive letters to the Student Council. This was my final evaluation about how much students learned about earthworms and wermi-composting. This concluded my essential question for this unit: Knowing structure and function, what are the earthworm's needs and adaptations for their environment? Why are earthworms important? How can earthworms be used to address the problem of excess food waste in society?

Describe the instructional strategies, learning activities and resources used by you and your students during the lesson. I had students clear their table and have nothing out but a pencil or pen. I passed out the quiz, and reminded students that they had 35 minutes to complete the quiz.

Describe how you monitored students' understanding of the lesson's main concepts and what you found. When I corrected the quizes, I found that students could apply their knowledge from this unit by the way the questions were answered. They also seemed very passionate about their letters to the Student Council. Most students included all of the necessary information in their letters encouraging the Student Council to consider vermi-composting for the school.

Describe how you accommodated student' learning needs during the lesson, and how you plan to adjust your teaching for the next lesson, if necessary, based on the students' learning today. All of the students took the quiz. I gave some of the students with disabilities and the ESL student a word bank to use to answer some of the questions. I made sure that they also had additional time to complete the quiz if they needed it.

Only a few of the students had difficulty writing the letter. This involved format concerns, not content. A few left out a conclusion in their letter. Most of the students wrote letters and have a lot of interest in sending the letters to the Student Council. Although it was not my original plan to forward the letter, I will accommodate the students' interests and send the letters to the Student Council for an official response.

45.5/50 91% Earthworm Quiz

1. Draw and explain how an earthworm is adapted to moving underground. 4 points

An earthworm: a adapted to moving underground

Deccuse: + rai Setal that are live bristler that

Stick to the ground to kelp them move. Also

They that hop them

They scrunch and stretch to move

For

2. Compare how an earthworm senses its environment with how you sense your environment. [-]

10 points We have the same 5 senses as weight,

hear, see, teaste, smell, and feel. But, we have ears,

eyes, tounges, noses, and swin to use all of the

senses. Worms only have one of there a their mouth for teaster But they could also sense lightor dark for seeing, have sells on teo- of their heart heart for smelling. and hearing, and have feely along their body for feeling.

3. Would you recommend earthworms for a garden? Compare how a garden would be with and without earthworms. 9 points Yes I would nightly recommend earthworms for a garden. This is because with worms, they produce castings that have very good nutrents to make a healthy garden. Also, they eat dead plants and animal matter so they aren't left in the soil. Matter so they aren't left in the soil wastly, they are make air tunnels as they move through the dirt, that will make room for roots on a plant to grow. Without worms none of this would happen and you would have dead things all over your garden no room for roots to grow and no healthy

Student #3 4. Do you think vermicomposting is important? Why is it used? 9 points vermicomposting is an important to do. This is because you could have great, nealthy soil for your garden full of Kulmints plants to grow. Also, this produces. garbage waste and no more dumps so there sing more room for more important things. Vermicom osting is used because to reduce the garbage ter great soil to make a great gatoen, and also to sell to others fer a great across 5. How would you create a worm bin? Explain why each component is important. 15 points ()

- To create a worm bin you would first teine ()

- to ping to out the many and product of the component of the componen two bins to put the worms and other tradenals in. Then you would put one aside and place The is to let the worms breatne puren notes and have fresh air and to drain out water. Then shred perces of newspower for them to move and dip with water because they like dampress! Smoll would ring out the news paper percept the bin with holes. After you with damp hemspopen put than in you would dump a couple power of sand the bin to the tep the gizzard te granggler war their clitellum. Predict what is the worm and int going to happen to the population of worms in the bin. 3 points 5000e worms a clittellum because that means that Shed theirs and it is off how eggs in it. This means that the worma penulat +200j pecanse the offe provably hatch sachs toods (not your old 1103 worm binis finished! But you have to make hove to instead their but you have to make hove to

Student #1

Wondering about Worms

Welcome to the wonderful world of earthworms! Before we start, I would like to know what you know about earthworms and what you would like to know about earthworms. Below, write your responses.

I know that worms....

- . They clean the soil
- · Have a segmented body
- They have an anus and
- They have librain and
- Feel cold and moist
- Heterotrophs
- · Inverte brates
- · Eat dead plant and animal
- · Con regenerate
 Good memory!

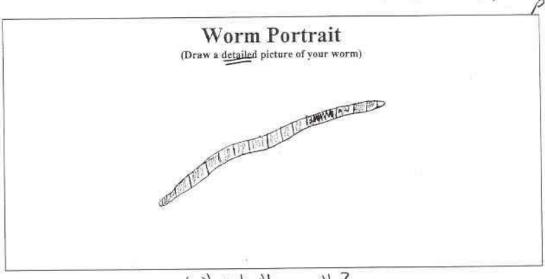
I want to know.

(Who? What? Where? Why? When? How?)

- · What do they give the soil
- · How do they reproduce?
- · How long do they live?
- · Do they build a colony like home?
- · How do they digest their food?
- · Do then sleeby
- · Can they live in cold place
- · Oo they have eyes?
- What's the Knot or pieger section?

Thoughthal Questions! Together, we will be answering many of the with this unit. If we don't enwer them all feel free to research this topic on your own, for extra credity share your information with the class!

Worm Observation Lab



Where's He mouth?

IN

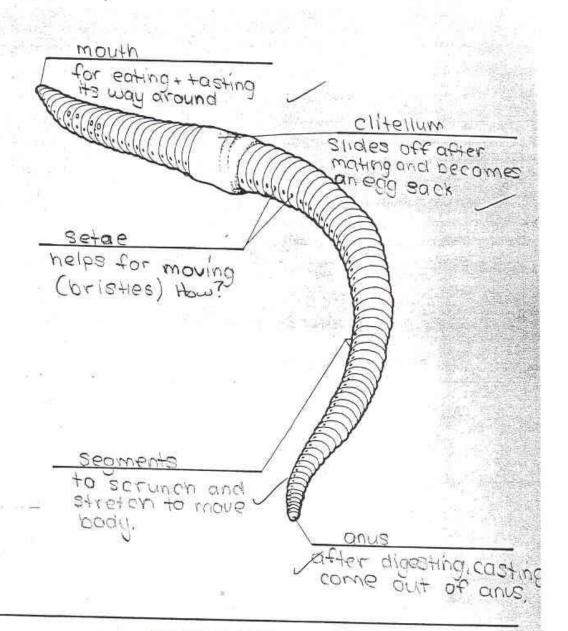
	STIGATE:
1.	Can you tell which is the front end of a worm and which is its tail? Is there
	a difference? How can you tell?
	Ves, there is a difference and I can tell be-
	cause the head has a white spot and the
	tail is dayler what we the other wan discussed in class
2.	How do worms move? Explain in detail. Do they ever move backwards?
	They seem to windole or curl their boodies.
	in arder to moverted they can and do
	move backwards what are they deingwith their segments?
3.	What happens when a worm meets another worm?
	The worms curied together to keep their
	SKIN STICKUE Why is this important
4.	Can you find and do you think the worm has:
	& Ears? No Why? Because it does move when I yell
	4. Eyes? No Why? Because it doesn't react when I come clo
	e. Mouth? Yes Why? So it can eat and it occose set it?
	e. Mouth? Yes Why? So it can eat and it props to it.
5.	How is the worm like you?
	The use of like and built notife acquard
	alor lue both house excoand a mouth Cango think of any in
6	How is the worm different from you? You just well works the works
0.00	The worm is different because it lives in the
	The doing is always Co. Mr. v. L. 41: 1617
	ground and is simy. Can you think of anothing else?
	III for the second seco

The Earthworm Studen + #1

Name _____Student #1

2/4/02

Label the exterior parts of the earthworm.



WORD BANK

segment	-clitellum- - anus	-seto-	
Life Science IF8756	84	Si.	

The Earthworm – Digestive System

Name

Student #1

2/4/02

For the earthworm, as with most animals, digestion takes place in a long tube with openings at both ends. This tube is divided into organs that do different jobs.

Label the parts of the earthworm's digestive system.

